

PCT_EP_2003_011551_Sequence Listing.ST25.txt
SEQUENCE LISTING

<110> Sloning Biotechnology GmbH

<120> Method for the manufacture of nucleic acid molecules

<130> S 10010 PCT

<140> EP 02023385.4

<141> 2002-10-18

<160> 61

<170> PatentIn version 3.1

<210> 1

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(11)

<223> any nucleotide

<400> 1
cgtctcnnnn n

11

<210> 2

<211> 11

<212> DNA

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(11)

<223> any nucleotide

<400> 2
ggtctcnnnn n

11

<210> 3

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(12)

<223> any nucleotide

<400> 3
gaagacnnnn nn

12

<210> 4

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(14)

<223> any nucleotide

<400> 4
acctgcnnnn nnnn

14

<210> 5

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(8)

<223> any nucleotide

<400> 5
gcagtgnn

8

<210> 6

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(8)

<223> any nucleotide

<400> 6
gcaatgnn

8

<210> 7

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(12)

<223> any nucleotide

<400> 7
gtatccnnnn nn

12

<210> 8

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(11)

<223> any nucleotide

<400> 8
actgggnnnn n

11

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<210> 9
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> nucleic acid for the manufacture of nucleic acid molecules
<220>
<221> misc_feature
<222> (7)..(17)
<223> any nucleotide

<400> 9
ggcggannnn nnnnnn

17

<210> 10
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> nucleic acid for the manufacture of nucleic acid molecules
<220>
<221> misc_feature
<222> (7)..(16)
<223> any nucleotide

<400> 10
gaggannnn nnnnnn

16

<210> 11
<211> 15
<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (8)..(15)

<223> any nucleotide

<400> 11
cacctgcnnn nnnnn

15

<210> 12

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(17)

<223>

<220>

<221> misc_feature

<222> (7)..(17)

<223> any nucleotide

<400> 12
cagctcnnnn nnnnnnn

17

<210> 13

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (8)..(11)

<223> any nucleotide

<400> 13
gctcttcnnn n

11

<210> 14

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(10)

<223> any nucleotide

<400> 14
ctcttcnnnn

10

<210> 15

<211> 11

<212> DNA

<213> Artificial Sequence

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(11)

<223> any nucleotide

<400> 15
ggtctcnnnn n

11

<210> 16

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(11)

<223> any nucleotide

<400> 16
cgtctcnnnn n

11

<210> 17

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(14)

<223> any nucleotide

<400> 17
acctgcnnnn nnnn

14

<210> 18

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(12)

<223> any nucleotide

<400> 18
gaagacnnnn nn

12

<210> 19

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(8)

<223> any nucleotide

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<400> 19
gcaatgnn 8

<210> 20

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(8)

<223> any nucleotide

<400> 20
gcagtgnn 8

<210> 21

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(11)

<223> any nucleotide

<400> 21
actgggnnnn n 11

<210> 22

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(12)

<223> any nucleotide

<400> 22
gtatccnnnn nn

12

<210> 23

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(16)

<223> any nucleotide

<400> 23
gaggagnnnn nnnnnn

16

<210> 24

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(17)

<223> any nucleotide

<400> 24

ggcggannnn nnnnnnn

17

<210> 25

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (7)..(17)

<223> any nucleotide

<400> 25

cagctcnnnn nnnnnnn

17

<210> 26

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (8)..(15)

<223> any nucleotide

<400> 26
cacctgcnnn nnnnn

15

<210> 27

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> splinker oligonucleotide in Fig. 1A and Fig. 3A

<400> 27
gtacgagacg cgcttttgcg cgtctcg

27

<210> 28

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> 1. anchor oligonucleotide in Fig. 1A and Fig. 3A

<220>

<221> misc_feature

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<222> (19)..(19)

<223> biotinylated nucleotide

<400> 28
taccgccgaa gaggcgtttt cgcctcttcg gcg

33

<210> 29

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 1B, Fig. 1C, Fig. 1D and Fig. 3B

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<220>

<221> misc_feature

<222> (29)..(29)

<223> biotinylated nucleotide

<400> 29
gcgcgtctcg taccgccgaa gaggcgtttt cgcctcttcg gcggtacgag acgcgctttt

60

<210> 30

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> left sequence in Fig. 1E

<400> 30
gcggtacgag acgcgctttt gcgcgtctcg tac

33

<210> 31

<211> 27

<212> DNA

<213> Artificial sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> right sequence in Fig. 1E, Fig. 3C and Fig. 3E

<220>

<221> misc_feature

<222> (16)..(16)

<223> biotinylated nucleotide

<400> 31
cgccgaagag gcgttttcgc ctcttcg

27

<210> 32

<211> 33

<212> DNA

<213> Artificial sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> left sequence in Fig. 1F and Fig. 3E

<220>

<221> misc_feature

<222> (19)..(19)

<223> biotinylated nucleotide

<400> 32
cgctatcgaa gaggcgtttt cgcctcttcg ata

33

<210> 33

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> splinker oligonucleotide in Fig. 2A and Fig. 4A

<400> 33
cgagacgcgc ttttgccgt ctcgt

25

<210> 34

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> 1. anchor nucleotide in Fig. 2A and Fig. 4A

<220>

<221> misc_feature

<222> (21)..(21)

<223> biotinylated nucleotide

<400> 34

ccgtcatacg gatacgcgtt ttcgcgtatc cgtatgacgg a

41

<210> 35

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 2B, Fig. 2C, Fig. 2D and Fig. 4B

<220>

<221> misc_feature

<222> (32)..(32)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<400> 35
gcgcgtctcg tccgtcatac ggatacgcgt tttcgcgtat ccgtatgacg gacgagacgc 60
gctttt 66

<210> 36
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> nucleic acid for the manufacture of nucleic acid molecules
<220>
<221> misc_feature
<223> left sequence in Fig. 2E, Fig. 2F, Fig. 4C, Fig. 4D and Fig. 4E

<400> 36
cggacgagac gcgcttttgc gcgtctcgtc cgt 33

<210> 37
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> nucleic acid for the manufacture of nucleic acid molecules
<220>
<221> misc_feature
<223> right sequence in Fig. 2E, Fig. 4C and Fig. 4D

<220>
<221> misc_feature
<222> (17)..(17)

<223> biotinylated nucleotide

<400> 37
catacggata cgcgttttcg cgtatccgta tga

33

<210> 38

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> 2. anchor oligonucleotide in Fig. 2F and Fig. 4E

<220>

<221> misc_feature

<222> (21)..(21)

<223> biotinylated nucleotide

<400> 38
tactcatacg gatacgcgtt ttcgcgtatc cgtatgagta a

41

<210> 39

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5A (left of text "Elongation product #1"

)

<220>

<221> misc_feature

<222> (47)..(47)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 39
gcgcgtctcg tacgcgacgc gtcgtaagcc gtcccgaaga ggcgttttcg cctcttcggg 60
acggcttacg acgcgtcgcg tacgagacgc gctttt 96

<210> 40

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5A (left of text "Elongation product #2"
)

<220>

<221> misc_feature

<222> (47)..(47)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 40
gcgcgtctcg gtccggccta cgctagatcg atgccgaaga ggcgttttcg cctcttcggc 60
atcgaactag cgtaggccgg accgagacgc gctttt 96

<210> 41

<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5B (left of text "Cut elongation product #1 with 3 nucleotide overhang at 5' end") and in Fig. 5C (left sequence left of text "Transition #1")

<400> 41
ggacggctta cgacgcgtcg cgtagcagac gcgcttttgc gcgtctcgta cgcgacgcgt 60
cgtaagccg 69

<210> 42

<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5B (left of text "cut elongation product #2 with 3 nucleotide overhang at 5' end") and in Fig. 5C (left sequence left of text "Transition #2")

<400> 42
gcatcgaact agcgtaggcc ggaccgagac gcgcttttgc gcgtctcggt ccggcctacg 60
ctagatcga 69

<210> 43

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5C (right sequence left of text "Transition #1")

<220>

<221> misc_feature

<222> (16)..(16)

<223> biotinylated nucleotide

<400> 43
tcccagagacc gcgttttctgc ggtctcg 27

<210> 44

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<223> Sequence appears in Fig. 5C (right sequence left of text "Transition #2")

<220>

<221> misc_feature

<222> (16)..(16)

<223> biotinylated nucleotide

<400> 44

tgccgagacc gcgttttcgc ggtctcg

27

<210> 45

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5D, Fig. 5E, Fig. 5F and Fig. 5G (in each case left of text "Elongation block #1")

<220>

<221> misc_feature

<222> (47)..(47)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 45

gcgcgtctcg tacgcgacgc gtcgtaagcc gtcccagagac cgcgttttcg cggtctcggg

60

acggcttacg acgcgtcgcg tacgagacgc gctttt

96

<210> 46

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5D, Fig. 5E, Fig. 5F, Fig. 7A (in each case left of text "Elongation block #2") and in Fig. 5H (right of text "Elongation block #2")

<220>

<221> misc_feature

<222> (47)..(47)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 46

gcgcgtctcg gtccggccta cgctagatcg atgccgagac cgcgttttcg cggtctcggc

60

atcgaactag cgtaggccgg accgagacgc gctttt

96

<210> 47

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5G (left of text "Eco31I cut Elongation block"), Fig. 5I (above text "Cut elongation block 1"), Fig. 7B and Fig. 7C (in each case left of text "Cut elongation block #1")

<400> 47
ggacggccta cgacgcgtcg cgtacgagac gcgcttttgc gcgtctcgta cgcgacgcgt 60
cgtaagcc 68

<210> 48

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5H (right of text "Elongated transition anchor"), Fig. 5I (right of text "Cut elongation block 1"), Fig. 7B (left of text "Cut elongation block #2) and Fig. 7D (left of text "Cut elongation block #2")

<220>

<221> misc_feature

<222> (37)..(37)

<223> biotinylated nucleotide

<400> 48
gtccggccta cgctagatcg atgccgagac cgcgttttgc cggctctcggc atcgaactag 60
cgtaggcc 68

<210> 49

<211> 136

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 5J

<220>

<221> misc_feature

<222> (67)..(67)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 49	
gcgcgtctcg tacgcgacgc gtcgtaagcc gtccggccta cgctagatcg atgccgagac	60
cgcgttttcg cggtctcggc atcgaactag cgtaggccgg acggcttacg acgcgtcgcg	120
tacgagacgc gctttt	136

<210> 50

<211> 106

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6A (left of text "Elongation produce #1")
)

<220>

<221> misc_feature

<222> (52)..(52)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400>	50		
gcgcgtctcg	tacgcgacgc	gtcgataagc	cgtctcatac ggatacgcgt tttcgcgtat 60
ccgtatgaga	cggcttatcg	acgcgtcgcg	tacgagacgc gctttt 106

<210> 51

<211> 106

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6A (left of text "Elongation product #2)

<220>

<221> misc_feature

<222> (52)..(52)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 51
 gcgcgtctcg gtccggccta cgctgagatc gatgccatac ggatacgcgt tttcgcgtat 60
 ccgatatggca tcgaactcag cgtaggccgg accgagacgc gctttt 106

<210> 52

<211> 73

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6B (left of text "Cut elongation product #1 with 3 nucleotide overhang at 5' end") and Fig. 6C (left sequence left of text "Transition #1")

<400> 52
 gacggcttat cgacgcgtcg cgtacgagac gcgcttttgc gcgtctcgta cgcgacgcgt 60
 cgataagccg tct 73

<210> 53

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6C (left sequence left of text "Transition #1")

<220>

<221> misc_feature

<222> (13)..(13)

<223> biotinylated nucleotide

<400> 53

cgagaccgcg ttttcgcggt ctcga

25

<210> 54

<211> 73

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6B (left of text "Cut elongation product #2 with 3 nucleotide overhang at 5' end") and in Fig. C (left of text "Transition #2)

<400> 54

catcgaactc agcgtaggcc ggaccgagac gcgcttttgc gcgtctcggt ccggcctacg

60

ctgagatcga tgc

73

<210> 55

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<223> sequence appears in Fig. 6C (right sequence left of text "Transition #2")

<220>

<221> misc_feature

<222> (13)..(13)

<223> biotinylated nucleotide

<400> 55

cgagaccgcg ttttcgcggt ctcgg

25

<210> 56

<211> 98

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6D (left of text "Elongation block #1")

<220>

<221> misc_feature

<222> (48)..(48)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 56

gcgcgtctcg tacgcgacgc gtcgataagc cgtctcgaga ccgcgttttc gcggtctcga

60

gacggcttat cgacgcgtcg cgtacgagac gcgctttt

98

<210> 57

<211> 98

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 6D (left of text "Elongation block #2")

<220>

<221> misc_feature

<222> (48)..(48)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 57

gcgcgtctcg gtccggccta cgctgagatc gatgccgaga ccgcgttttc gcggtctcgg

60

catcgaactc agcgtaggcc ggaccgagac gcgctttt

98

<210> 58

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

PCT_EP_2003_011551_Sequence Listing.ST25.txt

<220>

<221> misc_feature

<223> sequence appears in Fig. 7A (left of text "Elongation block #1")

<220>

<221> misc_feature

<222> (47)..(47)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400> 58	
cgccgtctcg ggacggctta cgacgcgctc cgtacgagac ccgcttttgc gggctctgga	60
cgcgacgcgt cgtaagccgt cccgagccgg cgtttt	96

<210> 59

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (1)..(4)

<223> single-stranded overhang, not complemented by complementary strand

<220>

<221> misc_feature

<222> (5)..(20)

<223> double-stranded nucleic acid, complemented by SEQ ID No. 48. The complementary strand continues in its 5'-direction with an overhang of 4 nucleotides (GCAT)

<400> 59
ggacggccta cgacgcgtcg 20

<210> 60

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<222> (1)..(4)

<223> single-stranded overhang, not complemented by complementary strand

<220>

<221> misc_feature

<222> (1)..(4)

<223> double-stranded nucleic acid, complemented by SEQ ID No. 47. The complementary strand continues in its 5'-direction with an overhang of 4 nucleotides (CAGG)

<400> 60
tacgcgacgc gtcgtaagcc 20

<210> 61

<211> 108

<212> DNA

<213> Artificial Sequence

<220>

<223> nucleic acid for the manufacture of nucleic acid molecules

<220>

<221> misc_feature

<223> sequence appears in Fig. 7D (right of text "Complementary overhang for subsequent transposition step")

<220>

<221> misc_feature

<222> (57)..(57)

<223> biotinylated nucleotide

<220>

<221> misc_feature

<223> 5'-end and 3'-end are ligated

<400>	61		
tacgcgacgc gtcgtaagcc gtccggccta cgctagatcg atgccgagac cgcgttttcg			60
cggctctcggc atcgaactag cgtaggccgg acggccttacg acgcgctcg			108